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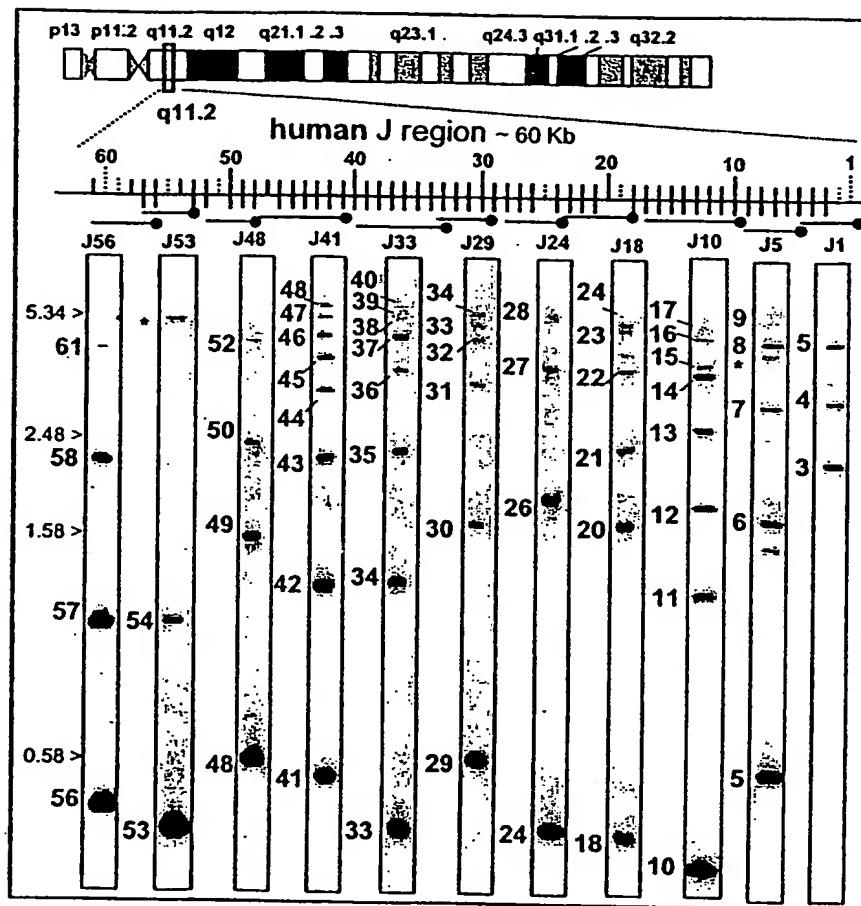


FIGURE 1

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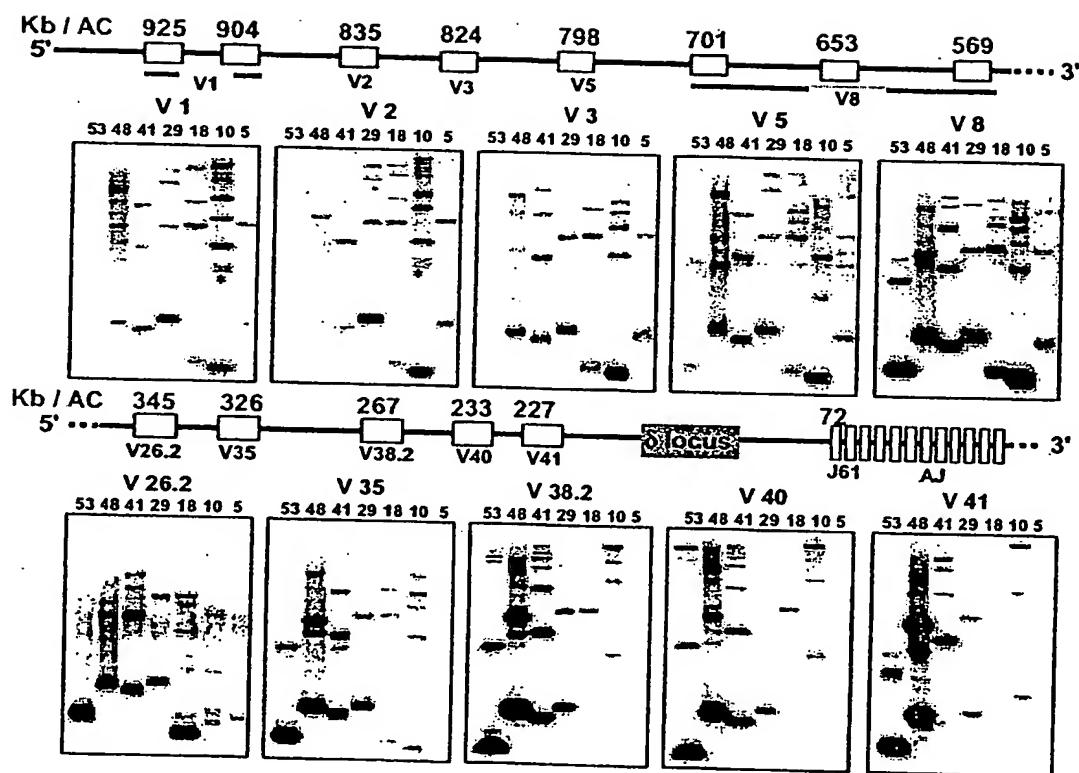


FIGURE 2

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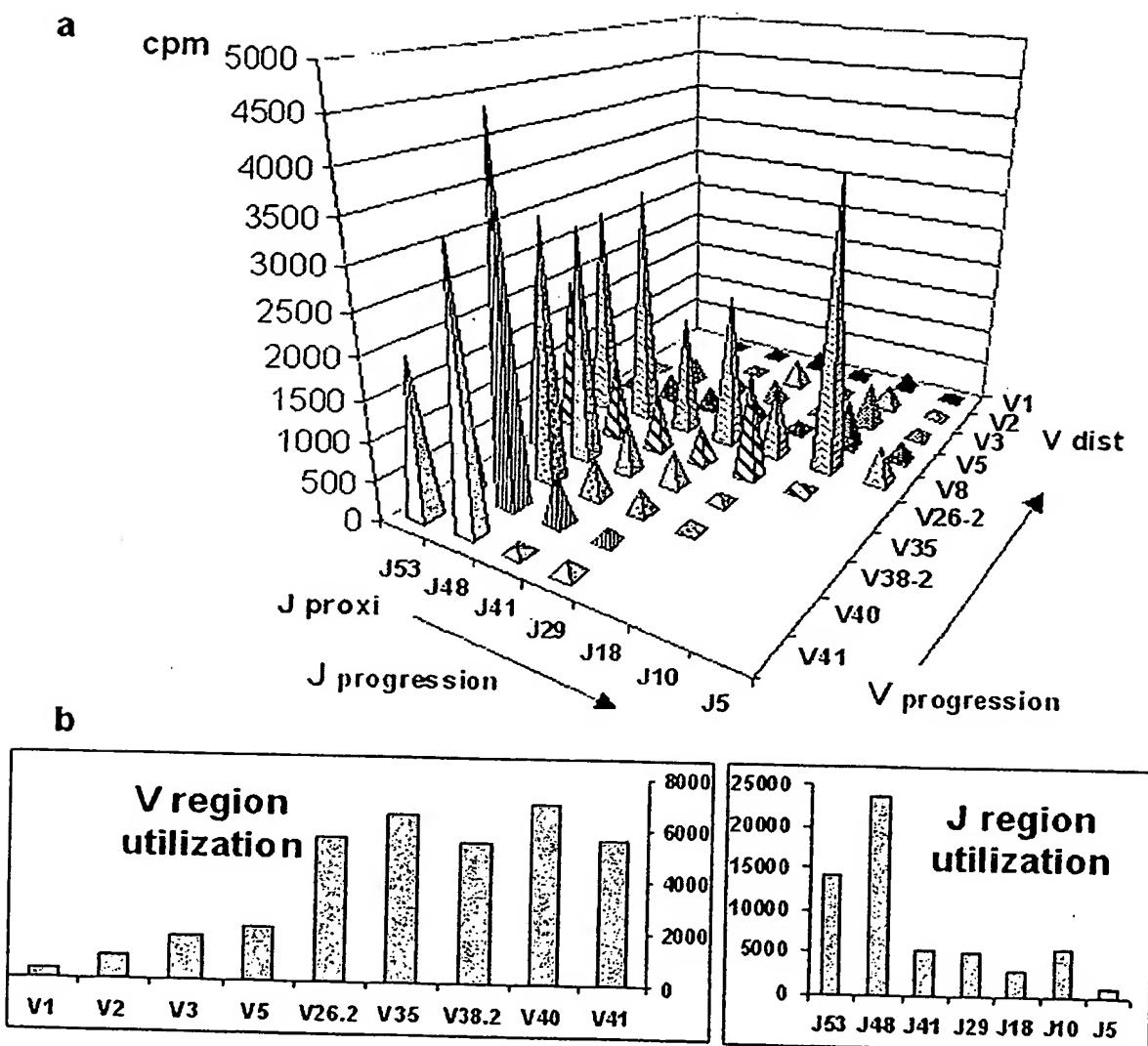
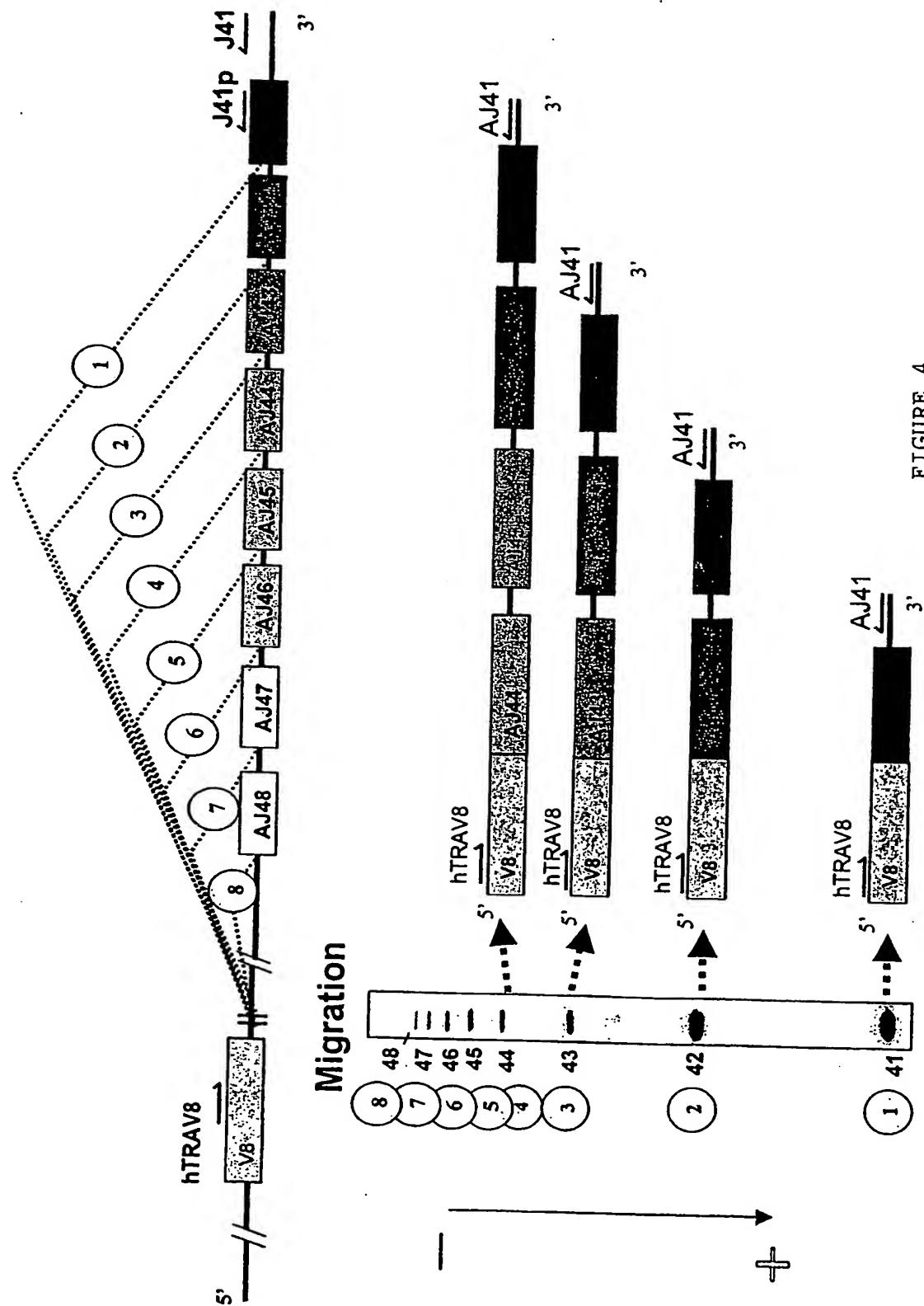


FIGURE 3

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hV gene	Heptamer	Spacer	Monomer	RSS	Dist/Cd (kb)	Signal Quality	Signal Strength
hV1-1	CACAGTG	100	ACTATGAGCCCTTAACTGTG	56	CAATATTC	56	72
hV1-2	CACGGTG	86	ACTATGAGGCCCTTAACTGTGCA	63	CAATATTC	56	69
hV2	CACACAG	86	GCAGGGGACCGATGAAGAGCTGA	56	ACACAAACA	78	75
hV3	CACACTG	86	ATAGGSGCTGGCAGGGGAGCAGA	56	ACACAAACT	89	80
hV5	CACATG	86	CTTCTCAGGCACCTGATCCGT	94	ACCCAAACC	100	93
hV8-2	CACAGTG	100	CTTGAGACTGGCAGGGAGCTGAA	50	CAAAAGCCT	33	63
hV8-4	CACAGTG	100	CTTGAGACTGGCAGGGAGCTGAA	50	CATAAACCT	33	63
hV8-6	CACAGTG	100	CCTGAGACTGGCAGGGAGCTGAA	44	CACAAA CCT	44	65
hV26-2	CACAGTG	100	GGACAGATGGGCTGAGCTGTG	56	CAATATTC	33	64
hV35	CACAGTG	100	CTCCCCAAACACCTGAGCCTGT	94	ACTCAA ACT	78	90
hV38-2	CACAGTG	100	AGACAAGCAAAGGGCACGGCT	31	ACAGAAACC	89	78
hV40	CACAGTG	86	TAAAAGCAAGTCGCAGCTATA	44	CAAAAACCT	44	60
hV41	CACAGTG	100	CTCCCCAGGCAACCTGAGCCC GT	94	ACCAAAACT	78	90
Consensus	CACAGTG	-T---CAG-CA-CTG-AACCTGT	GG	%	%	%	%

FIGURE 5

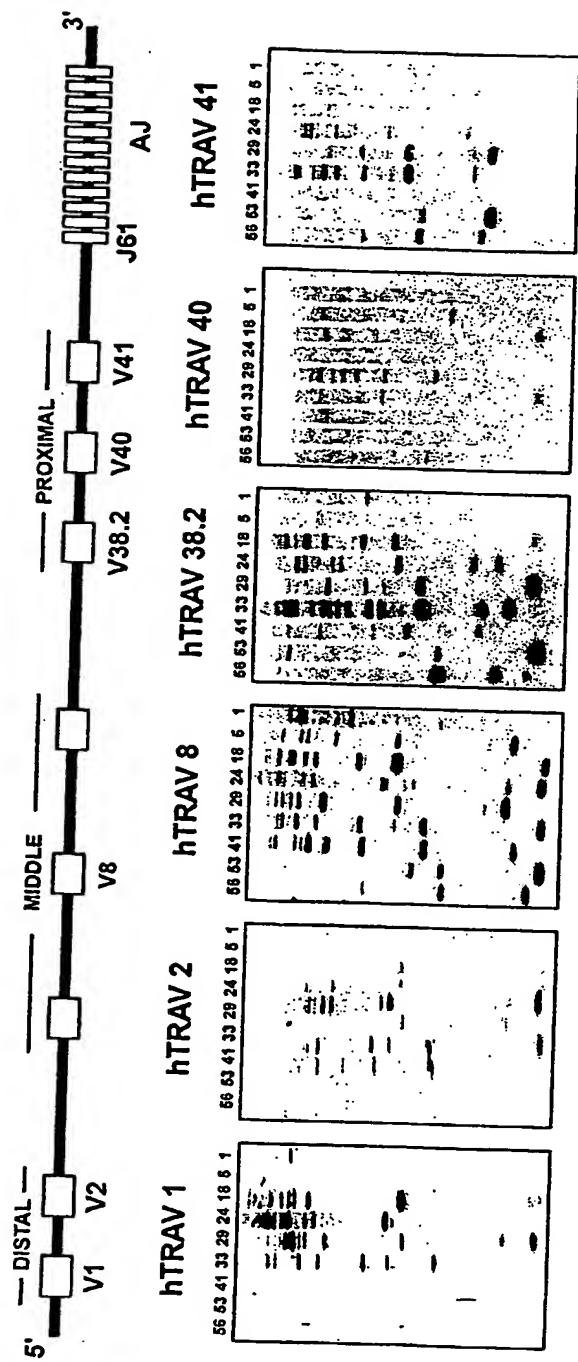


FIGURE 6

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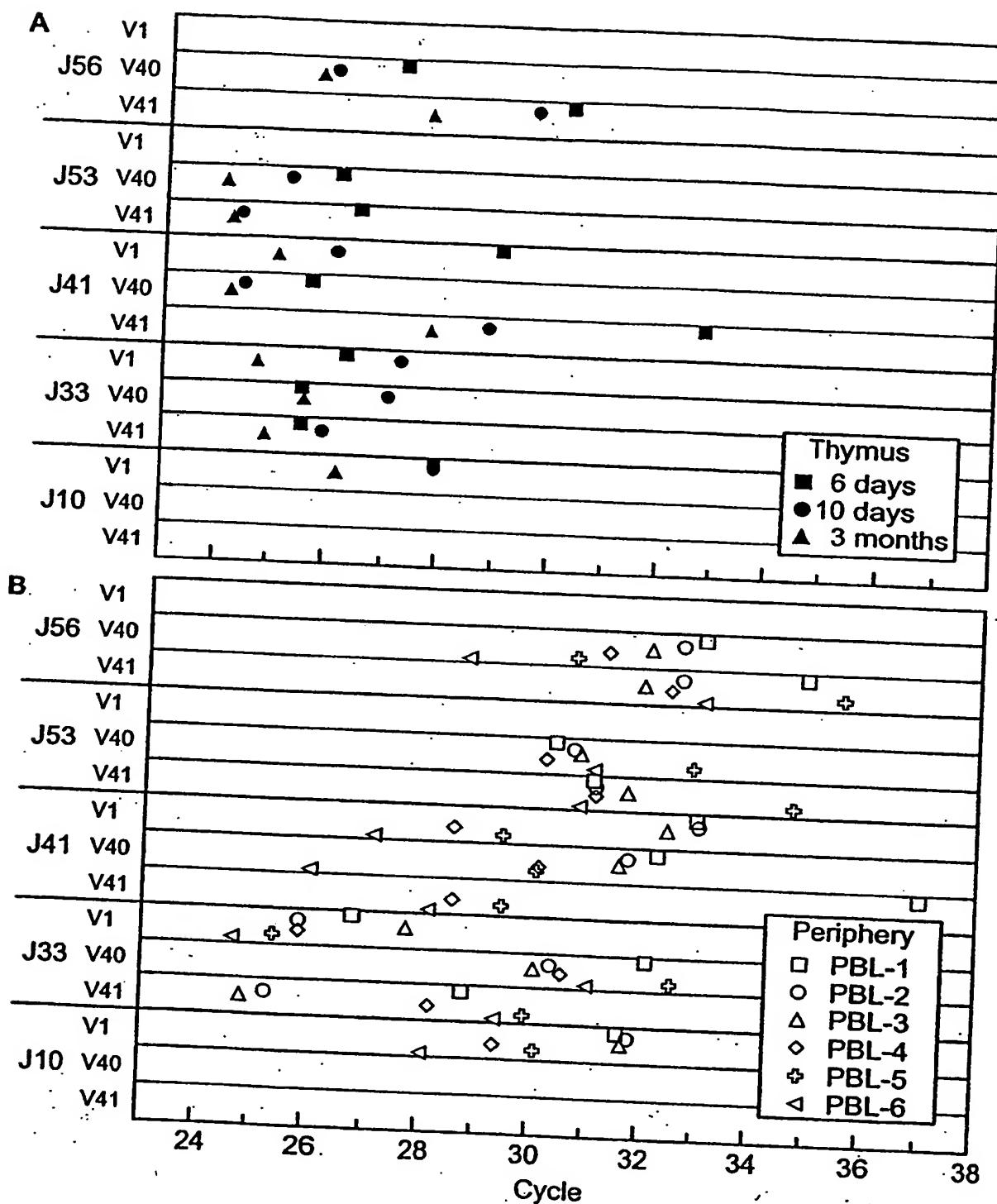


FIGURE 7

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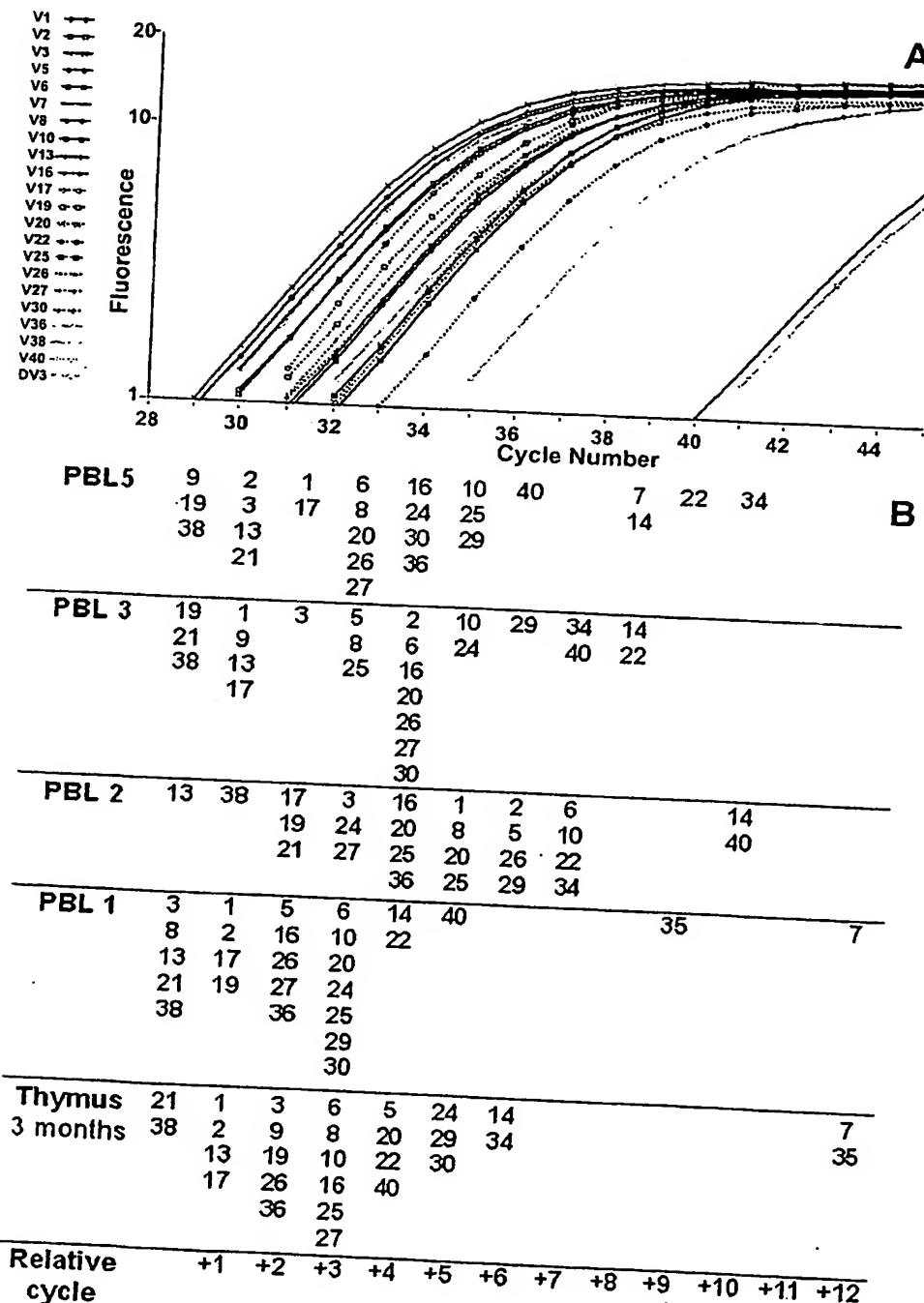


FIGURE 8

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